

REVISIONS TO MATERIALS SAMPLING GUIDE

June 25, 2009 Edition

General Changes

- Updated formatting throughout manual to improve consistency of page numbering and font types.

Section 4 – Asphaltic Concrete Materials

Item 1: Mineral Aggregate (Gravel, Sand, Sand-Gravel):

- a. Lincoln Lab Column: Added text “*DR Form 324*”

Item 2: Crushed Rock (Limestone):

- b. Additional Information Column: Deleted text “*Section 27, Note 5*”

Item 3: Crushed Rock (Limestone Screenings, Man-Sand):

- c. Additional Information Column: Deleted text “*Section 27, Note 5*”

Section 8 – Crushed Rock and Crushed Rock Screenings for Base Course

Item 1 & 2: Crushed Rock for Base Course & Crushed Rock Screenings for Base Course:

- a. Additional Information Column: Deleted text “*Section 27, Note 5*”

Section 13 - Granular Base, Granular Fill, Granular Backfill, Sand Blanket & MSE Walls

Item 9: Granular Subdrains:

- a. Type of Test Column: Added text “*FAA*”
- b. Lincoln Lab Column: Changed sample size from “*10*” pounds to “*40*” pounds

Section 15 – Portland Cement Concrete for Pavement, Base Course, Pavement Patching

Item 1: Coarse Aggregates:

- a. Field Personnel Column: Removed “*One gradation test for each one-third day’s operation for control*” and replaced with “*Minimum of one gradation test for each project.*” Added “*The number of samples taken from the plant is determined by plant volume supplied to State and Federal projects, not per project*”. Removed “*source*” and replaced with “*plant*”. Deleted “*The sample shall be taken at the project*”.
- b. Additional Information Column: Deleted text “*Note 6*”

Item 2: Fine Aggregates

- c. Field Personnel Column: Same changes as Item 1: Coarse Aggregates.
- d. Additional Information Column: Deleted text “*Note 6*”

Section 16 – Portland Cement Concrete for Structures, Culverts, and Miscellaneous Construction

Item 1: Coarse Aggregates:

- a. Field Personnel Column: Same changes as Section 15, Item 1: Coarse Aggregates
- b. Additional Information Column: Deleted text “*Note 6*”

Item 2: Fine Aggregates:

- c. Field Personnel Column: Same changes as Section 15, Item 2: Fine Aggregates. Also changed sample size from “75” pounds to “25” pounds.
- d. Additional Information Column: Deleted text “*Note 6*”

Section 20 – Bridge Materials

Item 11(B.a): Coarse Aggregates:

- a. Sample Required Column: Changed sampling frequency and quantity.

Item 30: Structural Steel for Concrete Girder Bridges:

- b. Item is now item 31. Added new Item 30: Prestressed Fine and Coarse Aggregate.

Item 31: Structural Fasteners for Concrete Girder Bridges:

- c. Item is now item 32.
- d. Sample Required Column: Changed sampling frequency and quantity.

Section 25 – Miscellaneous Materials

Item 31: Hot Pour Sealant:

- a. Removed separate sections for concrete surface and bituminous surface (Items 16A and 16B).

Section 27 – Notes

Note 4: Quality Tests of Aggregates:

- a. Added text “*DR Form 324*”

Note 5: Crushed Rock Aggregate Inspected at the Source:

- b. Deleted text “*DR Forms 155A, Stockpile Report for Crushed Rock, and*” and “*test results*”.

Note 7: Air Entraining Agents and Concrete Admixtures:

- c. First Paragraph: Removed text “*Approved air-entraining agents and*”.
- d. Second Paragraph: Removed text “*A sample must be entered in SiteManager to report the type and brand of air-entraining agent or admixture(s) that was used.*” and replaced with “*The use of air entraining agent and admixture (s) are to be recorded on the PCC Sample Proportioning Report template.*”.
- e. Third Paragraph: Removed text “*air-entraining agent*” and replaced with “*admixture*”.

Section 28- Policies

Policy 4: Acceptance Policy for Cement & Blended Cements:

- a. Item 2.b.1: Added “*To accommodate precision within multi-laboratory testing, expansion up to and including 0.13% will be accepted for use. If the expansion is above 0.13%, the material will be rejected.*”
- b. Item 2.b.1.iii: Added “*100% Platte River Gravel source will be used to make and test mortar bars according to the provisions of ASTM C 1567.*”
- c. Flowcharts: Added text if “*expansion ≤ 0.13%*” or “*expansion > 0.13%*”. Also added note “*see Page 1-Section 2.b in ASTM C 1567*” in multiple boxes.

Policy 7: Policy for Certification of Ready Mix Plants:

- d. Note 1.a: Added “*During plant certification, if a plant is using washwater in the concrete mix, the washwater shall be tested. See Item 12 of this policy for required testing*”.
- e. Item 12: Added Item 12, which details what washwater tests will be completed.

Policy 8: Pipe Policy Manual:

- f. Introduction: Added “*and must follow the NDOR Drainage Design & Erosion Control Manual*”. A hyperlink from this text was created that will take the user from Policy 8 to the Roadway Design Web Page that hosts the current version of the NDOR Drainage Design & Erosion Control Manual.

Policy 9: Policy Concerning Testing, Inspection and Reporting of Reinforced Concrete Culvert and Sewer Pipe and Concrete Flared-End Section:

- g. Plant Identification Code: Updated the following Pipe Manufactures associated with NDOR Identification Codes:

<u>Ident No.</u>	<u>Pipe Manufacturer and Location of Plant</u>
3T	Removed “ <i>WBE Company, Inc., Valley</i> ” and replaced with “ <i>American Concrete, Omaha</i> ”
4T	Removed “ <i>Rinker Materials, Grand Island</i> ” and replaced with “ <i>Not assigned at this time</i> ”
6T	Added “ <i>Cretex, Plattsmouth</i> ”